MUST Curriculum Planning for Graduate Students for Academic Year 2024-2025, Institute of Semiconductor and Electro-Optical Technology

1st year(2024)						2nd year(2025)					
	Course	1st semester		2nd semester			Course	1st semester		2nd semester	
		Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.
School Professional Required Courses	Seminar	1	2	1	2	School Professional Required Courses					
	Research Methodo and Thesis Writing	1	2								
	Subtotal	2	4	1	2		Subtotal	0	0	0	0
Compulsory Courses						Compulsory Courses	Thesis	3	3	3	3
							Off-Campus Practice Training	9	9	9	9
	Subtotal	0	0	0	0		Subtotal	12	12	12	12
Elective Courses	Semiconductor Engineering(I)	3	3			Elective Courses	Measurement Technology of Thin Films	3	3		
	Optical Engineering	3	3				Measurement Technology of Optical Device	3	3		
	Introduction to Semiconductor Manufacturing Technology	3	3				Micro Opto Electro Mechanical System Engineering	3	3		
	Optical Fiber Device	3	3				Emitting semiconductor measurement analysis	3	3		
	Optoelectronics	3	3				Solar Photovoltaic Power Technology	3	3		
	Optical Design and Simulation	3	3				Optical Fiber Communcations	3	3		
	Mechanism of Optoelectronic System	3	3				Optical Testing	3	3		
	Chinese Listening and Speaking Practice	2	2				Nano Bio-photonics			3	3
	Applied Chinese(I)(II)	2	2	2	2		Optical Thin Film			3	3
	Chinese Proficiency Test Preparation (I)(II)	2	2	2	2		Plasma Deposition Techniques			3	3
	Chinese Reading Comprehension Training			2	2		Lighting technology			3	3
	Semiconductor Engineering(II)			3	3		Patent Search and Writing			3	3
	Optical Appliation Engineering			3	3		Design and Manufacture of LED Lighting Products			3	3
	Panel Display Theory Technology			3	3		Photoelectric mechanism			3	3
	Semiconductor process integration			3	3						
	Material and Device Characterizations of Light Emitting Diodes			3	3						
	Semiconductor Physics and Devices			3	3						
	Solid State Lighting Driver Technologies			3	3						
	Package carrier board Technology			3	3						
	CAD of Solid Design			3	3						
	Optical Thin Film and Coating Technology			3	3						

Cr./hr.=Credit/hour

【Remarks】

1.Minimum graduation credits: 45 credits, including 18 elective credits (at least 12 credits for this major, the rest can be other departments).

2.Study credits per semester: the lower limit is 1 credit.

3.All 6 thesis credits will be granted only after passing the oral exam.

4.Chinese elective courses(Chinese Listening and Speaking Practice、Applied Chinese(I)(II)、Chinese Proficiency Test Preparation (I)(II)、Chinese Reading Comprehension Training) are not included in graduation credits。

5.Elective courses for listed are subject to change if necessary.

6.According to university regulations, students are required to meet the graduation requirement of basic proficiency and professional skills.

明新科技大學 校財團法人 半導體與光電科技系 MUST

半導體系課程規劃委員1

半導體與光電科技系 系主任 陳炳茂

半導體學院 院長 張合